FCC Test Report

Report No.: AGC01680170802FE05

FCC ID : 2AKHJ-MD156

APPLICATION PURPOSE : Original Equipment

PRODUCT DESIGNATION: Bluetooth+2.4G Mouse

BRAND NAME : N/A

MODEL NAME : MD156

CLIENT: Shenzhen Hangshi Technology Co., Ltd.

DATE OF ISSUE : July 09, 2017

STANDARD(S)

TEST PROCEDURE(S) : FCC Part 15 Rules

REPORT VERSION : V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd

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Report No.: AGC01680170802FE05 Page 2 of 34

Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	July 09, 2017	Valid	Original Report

TABLE OF CONTENTS

1. VERIFICATION OF CONFORMITY	4
2. GENERAL INFORMATION	5
2.1. PRODUCT DESCRIPTION	5
2.2. TABLE OF CARRIER FREQUENCY	5
3. MEASUREMENT UNCERTAINTY	6
4. DESCRIPTION OF TEST MODES	6
5. SYSTEM TEST CONFIGURATION	7
5.1. CONFIGURATION OF EUT SYSTEM	7
5.2. EQUIPMENT USED IN EUT SYSTEM	7
5.3. SUMMARY OF TEST RESULTS	7
6. TEST FACILITY	8
7. RADIATED EMISSION	9
7.1TEST LIMIT	9
7.2. MEASUREMENT PROCEDURE	10
7.3. TEST SETUP	12
7.4. TEST RESULT	13
8. BAND EDGE EMISSION	18
8.1. MEASUREMENT PROCEDURE	18
8.2 TEST SETUP	18
8.3 RADIATED TEST RESULT	18
9. 20DB BANDWIDTH	23
9.1. MEASUREMENT PROCEDURE	23
9.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)	23
9.3. MEASUREMENT RESULTS	23
APPENDIX A: PHOTOGRAPHS OF TEST SETUP	26
APPENDIX R. PHOTOGRAPHS OF FUT	27

Page 4 of 34

1. VERIFICATION OF CONFORMITY

Applicant	Shenzhen Hangshi Technology Co., Ltd.		
	Hangshi Technology Park, Democracy West Industry Area, Shajing Town, Bao'an District, Shenzhen, China.		
Manufacturer	Shenzhen Hangshi Technology Co., Ltd.		
	Hangshi Technology Park, Democracy West Industry Area, Shajing Town, Bao'an District, Shenzhen, China.		
Product Designation	Bluetooth+2.4G Mouse		
Brand Name	N/A		
Test Model	MD156		
Date of test	July 08, 2017 to July 09, 2017		
Deviation	None		
Condition of Test Sample	Normal		
Test Result	Pass		
Report Template	AGCRT-US-BR/RF		

We hereby certify that:

The above equipment was tested by Dongguan Precise Testing Service Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with radiated emission limits of FCC Rules Part 15.249.

Max Zhang(Zhang Yi) July 09, 2017

Reviewed by

Bart Xie(Xie Xiaobin)) July 09, 2017

Approved by

Solger Zhang(Zhang Hongyi)
Authorized Officer

July 09, 2017

Page 5 of 34

2. GENERAL INFORMATION

2.1. PRODUCT DESCRIPTION

A major technical description of EUT is described as following

Attriajor teermiear description of 201 to described as following				
Operation Frequency	2402MHz-2480MHz			
Maximum field strength	82.97dBuV/m@3m(AV)			
Modulation	GFSK			
Number of channels	79			
Antenna Gain	0dBi			
Antenna Designation	Integrated Antenna (Met 15.203 Antenna requirement)			
Hardware Version	A1			
Software Version	V1.0			
Power Supply	DC 3V by battery			

Note: The 2.4GHz module and BT module can not transmit simultaneously.

2.2. TABLE OF CARRIER FREQUENCY

Frequency Band	Channel Number	Frequency
	1	2402MHZ
	2	2403MHZ
0400 0400 FMLI7	:	:
2400~2483.5MHZ	:	:
	78	2479 MHZ
	79	2480 MHZ

Note: The channel spacing is 1MHz.

Page 6 of 34

3. MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement y $\pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 % o

No.	Item	Uncertainty
1	Conducted Emission Test	±3.18dB
2	All emissions,radiated	±3.91dB
3	Temperature	±0.5°C
4	Humidity	±2%

4. DESCRIPTION OF TEST MODES

NO.	TEST MODE DESCRIPTION
1	Low channel TX in GFSK modulation -2402MHz
2	Middle channel TX in GFSK modulation -2442MHz
3	High channel TX in GFSK modulation -2480MHz
Noto:	

Note:

- 1. Only the result of the worst case was recorded in the report, if no other cases.
- 2. For Radiated Emission, 3axis were chosen for testing for each applicable mode.
- 3. The EUT had been programmed in continuous transmission conditions for the test modes.

Report No.: AGC01680170802FE05 Page 7 of 34

5. SYSTEM TEST CONFIGURATION

5.1. CONFIGURATION OF EUT SYSTEM

Configure 1:

EUT

5.2. EQUIPMENT USED IN EUT SYSTEM

Iten	Equipment	Model No.	ID or Specification	Remark
1	Bluetooth+2.4G Mouse	MD156	2AKHJ-MD156	EUT

5.3. SUMMARY OF TEST RESULTS

FCC RULES	DESCRIPTION OF TEST	RESULT
§15.249	Radiated Emission	Compliant
§15.249	Band Edges	Compliant
§15.215	20dB bandwidth	Compliant

Report No.: AGC01680170802FE05 Page 8 of 34

6. TEST FACILITY

Site Dongguan Precise Testing Service Co., Ltd.	
Location Building D, Baoding Technology Park, Guangming Road2, Dongcheng Distribution Dongguan, Guangdong, China.	
FCC Registration No.	371540
Description	The test site is constructed and calibrated to meet the FCC requirements in documents ANSI C63.4:2014.

Radiated Emission Test Site						
Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration	
EMI Test Receiver	Rohde & Schwarz	ESCI	101417	July 4, 2017	July 3, 2018	
Trilog Broadband Antenna (25M-1GHz)	SCHWARZBECK	VULB9160	9160-3355	July 4, 2017	July 3, 2018	
Signal Amplifier	SCHWARZBECK	BBV 9475	9745-0013	July 4, 2017	July 3, 2018	
RF Cable	SCHWARZBECK	AK9515E	96221	July 4, 2017	July 3, 2018	
3m Anechoic Chamber	CHENGYU	966	PTS-001	July 4, 2017	July 3, 2018	
MULTI-DEVICE Positioning Controller	Max-Full	MF-7802	MF780208339	N/A	N/A	
Active loop antenna (9K-30MHz)	Schwarzbeck	FMZB1519	1519-038	June 6, 2017	June 5, 2018	
Spectrum analyzer	Agilent	E4407B	MY46185649	June 6, 2017	June 5, 2018	
Power Sensor	Agilent	U2021XA	MY55050474	June 6, 2017	June 5, 2018	
Horn Antenna (1G-18GHz)	SCHWARZBECK	BBHA9120D	9120D-1246	July 11, 2016	July 10, 2017	
Horn Ant (18G-40GHz)	Schwarzbeck	BBHA 9170	9170-181	June 6, 2017	June 5, 2018	

Conducted Emission Test Site						
Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration	
EMI Test Receiver	Rohde & Schwarz	ESCI	101417	July 4, 2017	July 3, 2018	
Artificial Mains Network	Narda	L2-16B	000WX31025	July 8, 2017	July 7, 2018	
Artificial Mains Network (AUX)	Narda	L2-16B	000WX31026	July 8, 2017	July 7, 2018	
RF Cable	SCHWARZBECK	AK9515E	96222	July 4, 2017	July 3, 2018	
Shielded Room	CHENGYU	843	PTS-002	June 6, 2017	June 5, 2018	

Page 9 of 34

7. RADIATED EMISSION

7.1TEST LIMIT

Standard FCC15.249

Fundamental Frequency	Field Strength of Fundamental	Field Strength of Harmonics		
	(millivolts/meter)	(microvolts/meter)		
900-928MHz	50	500		
2400-2483.5MHz	50	500		
5725-5875MHz	50	500		
24.0-24.25GHz	250	2500		

Standard FCC 15.209

Frequency	Distance	Field	Strengths Limit			
(MHz)	Meters	μ V/m	dB(μV)/m			
0.009 ~ 0.490	300	2400/F(kHz)				
0.490 ~ 1.705	30	24000/F(kHz)				
1.705 ~ 30	30	30				
30 ~ 88	3	100	40.0			
88 ~ 216	3	150	43.5			
216 ~ 960	3	200	46.0			
960 ~ 1000	3	500	54.0			
Above 1000	3	Other:74.0 dB(µV)/m	Other:74.0 dB(µV)/m (Peak) 54.0 dB(µV)/m (Average)			

Remark:

- (1) Emission level dB μ V = 20 log Emission level μ V/m
- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

Page 10 of 34

7.2. MEASUREMENT PROCEDURE

1. The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.

- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- 5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. For emissions above 1GHz, use minimum resolution bandwidth of 1 MHz. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- 7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
- 8.If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the guasi-peak method for below 1GHz.
- 9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- 10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High Low scan is not required in this case.

Report No.: AGC01680170802FE05 Page 11 of 34

The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting		
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP		
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP		
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP		
	1GHz~26.5GHz		
Start ~Stop Frequency	RBW 3MHz/VBW 10MHz for Peak,		
	RBW 3MHz/VBW 10Hz for Average		

Receiver Parameter	Setting		
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP		
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP		
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP		

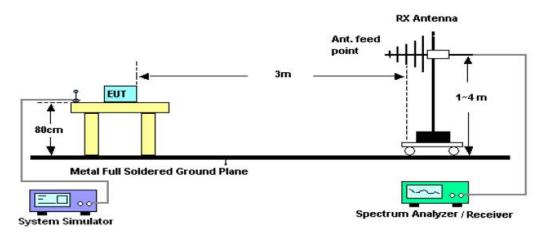
Page 12 of 34

7.3. TEST SETUP

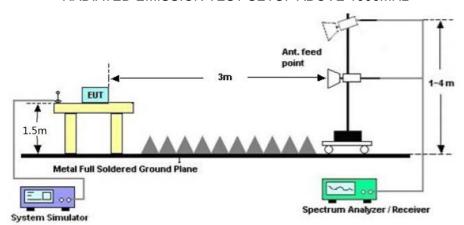
Radiated Emission Test-Setup Frequency Below 30MHz



RADIATED EMISSION TEST SETUP 30MHz-1000MHz



RADIATED EMISSION TEST SETUP ABOVE 1000MHz



Report No.: AGC01680170802FE05 Page 13 of 34

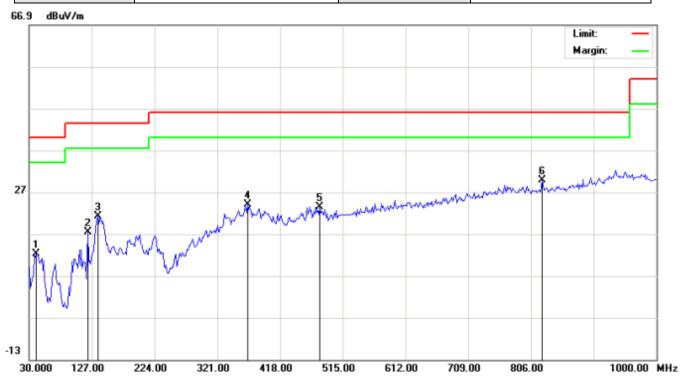
7.4. TEST RESULT

RADIATED EMISSION BELOW 30MHZ

No emission found between lowest internal used/generated frequencies to 30MHz.

RADIATED EMISSION 30MHz-1GHZ

EUT:	Bluetooth+2.4G Mouse	Model Name. :	MD156
Temperature :	20 ℃	Relative Humidtity:	48%
Pressure :	1010 hPa	Test Voltage :	DC3V
Test Mode :	Mode 1	Polarization :	Horizontal

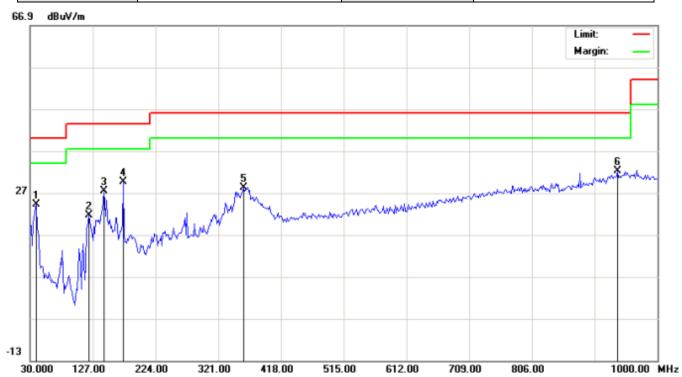


No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	•	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		41.3167	0.43	11.81	12.24	40.00	-27.76	peak			
2		120.5333	11.21	6.11	17.32	43.50	-26.18	peak			
3		136.7000	7.56	13.66	21.22	43.50	-22.28	peak			
4		367.8833	5.24	18.86	24.10	46.00	-21.90	peak			
5		479.4333	2.54	20.91	23.45	46.00	-22.55	peak			
6	*	823.7833	2.42	27.32	29.74	46.00	-16.26	peak			

RESULT: PASS

Report No.: AGC01680170802FE05 Page 14 of 34

EUT:	Bluetooth+2.4G Mouse	Model Name. :	MD156
Temperature:	20 ℃	Relative Humidtity:	48%
Pressure:	1010 hPa	Test Voltage :	DC3V
Test Mode :	Mode 1	Polarization :	Vertical



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height		Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		39.7000	15.66	8.51	24.17	40.00	-15.83	peak			
2		120.5333	14.45	7.08	21.53	43.50	-21.97	peak			
3		144.7833	12.15	15.23	27.38	43.50	-16.12	peak			
4		173.8833	15.16	14.46	29.62	43.50	-13.88	peak			
5		359.8000	9.47	18.80	28.27	46.00	-17.73	peak			
6	*	938.5667	2.46	29.68	32.14	46.00	-13.86	peak			

RESULT: PASS

Note:

Factor=Antenna Factor + Cable loss, Margin=Result-Limit.

The "Factor" value can be calculated automatically by software of measurement system.

The mode 1 is the worst case, and only the data of the worst case recorded in this test report.

Report No.: AGC01680170802FE05 Page 15 of 34

RADIATED EMISSION ABOVE 1GHZ

EUT:	Bluetooth+2.4G Mouse	Model Name. :	MD156
Temperature:	20 ℃	Relative Humidtity:	48%
Pressure :	1010 hPa	Test Voltage :	DC3V
Test Mode :	Mode 1	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type	
2402.161	97.25	-9.37	87.88	114	-26.12	peak	
2402.161	91.05	-9.37	81.68	94	-12.32	AVG	
4804.322	44.36	3.74	48.1	74	-25.9	peak	
4804.322	36.98	3.74	40.72	54	-13.28	AVG	
7206.483	38.41	8.14	46.55	74	-27.45	peak	
7206.483	34.59	8.14	42.73	54	-11.27	AVG	
Remark:							
Factor = Antenna Factor + Cable Loss – Pre-amplifier.							

EUT:	Bluetooth+2.4G Mouse	Model Name. :	MD156
Temperature:	20 ℃	Relative Humidtity:	48%
Pressure :	1010 hPa	Test Voltage :	DC3V
Test Mode :	Mode 1	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type		
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type		
2402.431	96.53	-9.37	87.16	114	-26.84	peak		
2402.431	92.34	-9.37	82.97	94	-11.03	AVG		
4804.862	43.69	3.74	47.43	74	-26.57	peak		
4804.862	36.54	3.74	40.28	54	-13.72	AVG		
7207.293	38.18	8.14	46.32	74	-27.68	peak		
7207.293	35.23	8.14	43.37	54	-10.63	AVG		
Remark:								
Factor = Ante	Factor = Antenna Factor + Cable Loss – Pre-amplifier.							

Report No.: AGC01680170802FE05 Page 16 of 34

EUT:	Bluetooth+2.4G Mouse	Model Name. :	MD156
Temperature:	20 ℃	Relative Humidtity:	48%
Pressure :	1010 hPa	Test Voltage :	DC3V
Test Mode :	Mode 2	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
2442.030	97.36	-9.63	87.73	114	-26.27	peak
2442.030	92.54	-9.63	82.91	94	-11.09	AVG
4884.060	42.65	3.76	46.41	74	-27.59	peak
4884.060	38.12	3.76	41.88	54	-12.12	AVG
7326.090	43.66	8.17	51.83	74	-22.17	peak
7326.090	36.48	8.17	44.65	54	-9.35	AVG
Remark:	Remark:					
Factor = Ante	Factor = Antenna Factor + Cable Loss – Pre-amplifier.					

EUT:	Bluetooth+2.4G Mouse	Model Name. :	MD156
Temperature:	20 ℃	Relative Humidtity:	48%
Pressure :	1010 hPa	Test Voltage :	DC3V
Test Mode :	Mode 2	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
2442.016	96.85	-9.63	87.22	114	-26.78	peak
2442.016	91.64	-9.63	82.01	94	-11.99	AVG
4884.032	43.26	3.76	47.02	74	-26.98	peak
4884.032	37.89	3.76	41.65	54	-12.35	AVG
7326.048	42.69	8.17	50.86	74	-23.14	peak
7326.048 37.05 8.17 45.22 54 -8.78 AVG						
Remark:						
Factor = Ante	enna Factor + C	able Loss – F	re-amplifier.			

Page 17 of 34

EUT:	Bluetooth+2.4G Mouse	Model Name. :	MD156
Temperature :	20 ℃	Relative Humidtity:	48%
Pressure :	1010 hPa	Test Voltage :	DC3V
Test Mode :	Mode 3	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
2480.192	94.65	-9.61	85.04	114	-28.96	peak
2480.192	91.34	-9.61	81.73	94	-12.27	AVG
4960.384	42.33	3.83	46.16	74	-27.84	peak
4960.384	38.47	3.83	42.3	54	-11.7	AVG
7440.576	37.41	8.21	45.62	74	-28.38	peak
7440.576	36.92	8.21	45.13	54	-8.87	AVG
Remark:						
Factor = Ante	nna Factor + C	able Loss – P	re-amplifier.			

EUT:	Bluetooth+2.4G Mouse	Model Name. :	MD156
Temperature:	20 ℃	Relative Humidtity:	48%
Pressure :	1010 hPa	Test Voltage :	DC3V
Test Mode :	Mode 3	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type				
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type				
2480.236	95.39	-9.61	85.78	114	-28.22	peak				
2480.236	91.48	-9.61	81.87	94	-12.13	AVG				
4960.472	43.06	3.83	46.89	74	-27.11	peak				
4960.472	39.15	3.83	42.98	54	-11.02	AVG				
7440.708	37.54	8.21	45.75	74	-28.25	peak				
7440.708 37.26 8.21 45.47 54 -8.53 AVG										
Remark:										
Factor = Ante	enna Factor + Ca	able Loss –	Pre-amplifier.			Factor = Antenna Factor + Cable Loss – Pre-amplifier.				

Note: Other emissions from 8G to 25 GHz are considered as ambient noise. No recording in the test report. Factor=Antenna Factor + Cable loss - Amplifier gain, Margin=Measurement-Limit.

The "Factor" value can be calculated automatically by software of measurement system.

Page 18 of 34

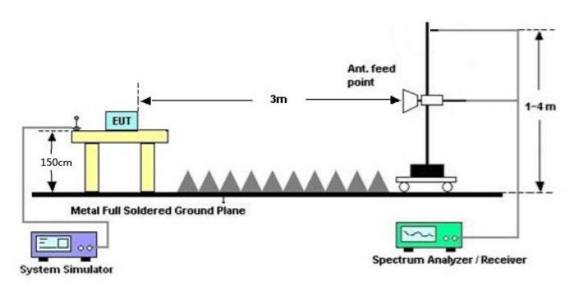
8. BAND EDGE EMISSION

8.1. MEASUREMENT PROCEDURE

- 1. The EUT operates at transmitting mode. The operate channel is tested to verify the largest transmission and spurious emissions power at the continuous transmission mode.
- 2. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission: (a) PEAK: RBW=VBW=1MHz / Sweep=AUTO
- (b) AVERAGE: RBW=1MHz; VBW=1/on time(1KHz) / Sweep=AUTO
- 3. Other procedures refer to clause 7.2.

8.2 TEST SETUP

RADIATED EMISSION TEST SETUP



8.3 RADIATED TEST RESULT

Note:

- 1. Factor=Antenna Factor + Cable loss Amplifier gain. Field Strength=Factor + Reading level
- 2. The factor had been edited in the "Input Correction" of the Spectrum Analyzer. So the Amplitude of test plots is equal to Reading level plus the Factor in dB. Use the A dB(μ V) to represent the Amplitude. Use the F dB(μ V/m) to represent the Field Strength. So A=F.

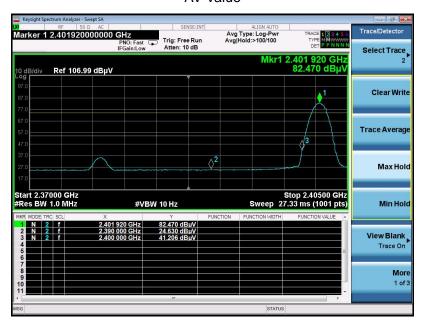
Report No.: AGC01680170802FE05 Page 19 of 34

EUT:	Bluetooth+2.4G Mouse	Model Name. :	MD156
Temperature:	20 ℃	Relative Humidtity:	48%
Pressure :	1010 hPa	Test Voltage :	DC3V
Test Mode :	Mode 1	Polarization :	Horizontal

PK Value



AV Value



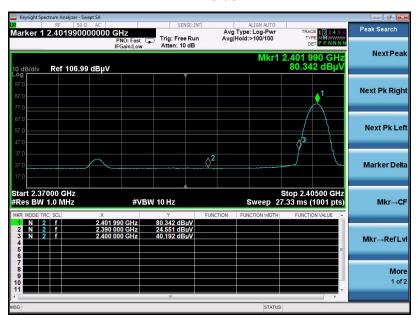
Report No.: AGC01680170802FE05 Page 20 of 34

EUT:	Bluetooth+2.4G Mouse	Model Name. :	MD156
Temperature:	20 ℃	Relative Humidtity:	48%
Pressure :	1010 hPa	Test Voltage :	DC3V
Test Mode :	Mode 1	Polarization :	Vertical

PK Value



AV Value



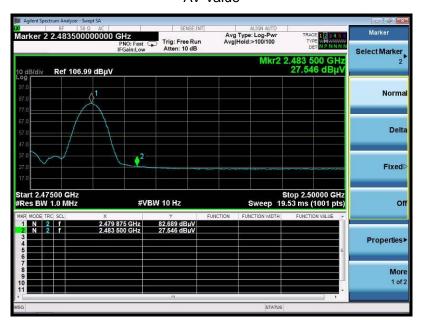
Report No.: AGC01680170802FE05 Page 21 of 34

EUT:	Bluetooth+2.4G Mouse	Model Name. :	MD156
Temperature:	20 ℃	Relative Humidtity:	48%
Pressure :	1010 hPa	Test Voltage :	DC3V
Test Mode :	Mode 3	Polarization :	Horizontal

PK Value



AV Value



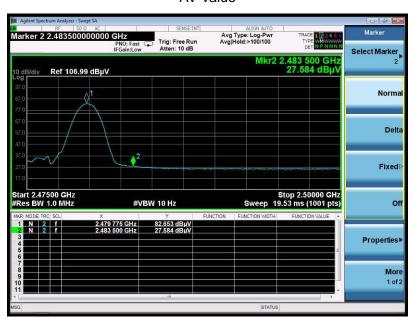
Report No.: AGC01680170802FE05 Page 22 of 34

EUT:	Bluetooth+2.4G Mouse	Model Name. :	MD156
Temperature:	20 ℃	Relative Humidtity:	48%
Pressure :	1010 hPa	Test Voltage :	DC3V
Test Mode :	Mode 3	Polarization :	Vertical

PK Value



AV Value



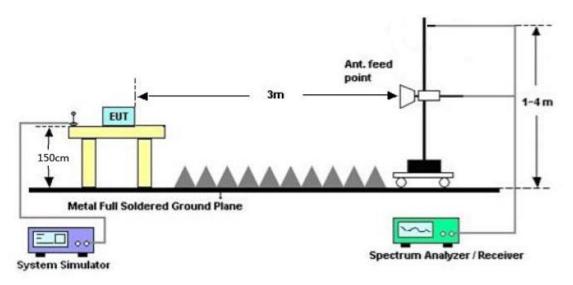
Page 23 of 34

9. 20DB BANDWIDTH

9.1. MEASUREMENT PROCEDURE

- 1. The EUT was placed on the top of the turntable 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- 2, Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- 3. Set Span = approximately 2 to 5 times the 20 dB bandwidth, centered on a hoping channel
 The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW and video
 bandwidth (VBW) shall be approximately three times RBW; Sweep = auto; Detector function = peak
- 4. Set SPA Trace 1 Max hold, then View.

9.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)



9.3. MEASUREMENT RESULTS

TEST ITEM	20DB BANDWIDTH
TEST MODE	Mode1;Mode2;Mode3

Test Data (MHz)	Criteria	
Low Channel	1.111	PASS
Middle Channel	1.195	PASS
High Channel	1.601	PASS

Page 24 of 34

TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



Page 25 of 34

TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



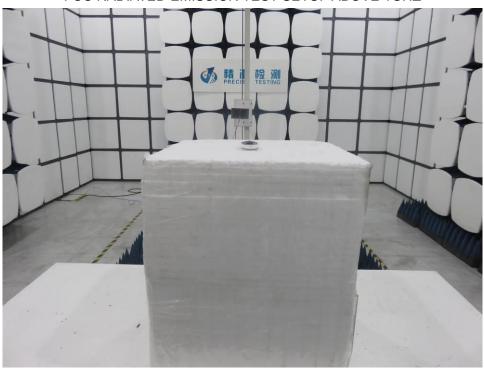
Report No.: AGC01680170802FE05 Page 26 of 34

APPENDIX A: PHOTOGRAPHS OF TEST SETUP

FCC RADIATED EMISSION TEST SETUP BELOW 1GHZ



FCC RADIATED EMISSION TEST SETUP ABOVE 1GHZ



Page 27 of 34

APPENDIX B: PHOTOGRAPHS OF EUT

TOP VIEW OF EUT



BOTTOM VIEW OF EUT



FRONT VIEW OF EUT



BACK VIEW OF EUT



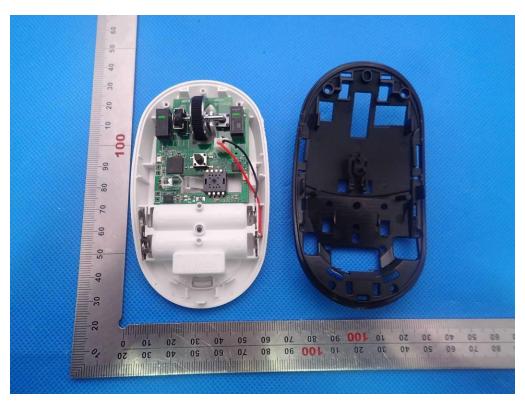
LEFT VIEW OF EUT



RIGHT VIEW OF EUT



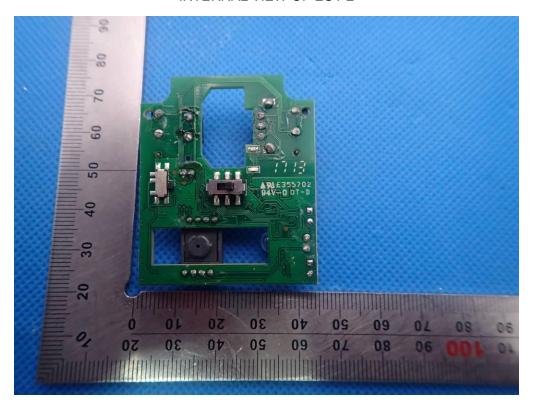
OPEN VIEW OF EUT-1



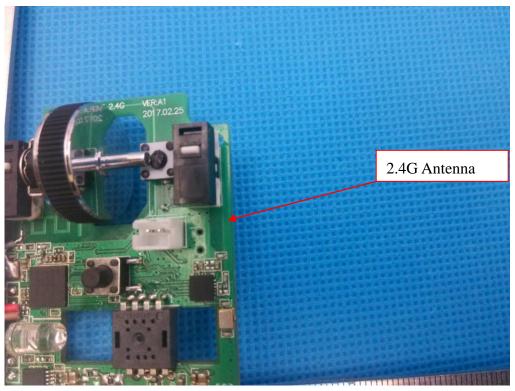
INTERNAL VIEW OF EUT-1



INTERNAL VIEW OF EUT-2



INTERNAL VIEW OF EUT-3



----END OF REPORT----